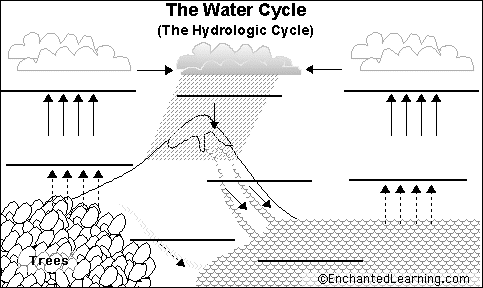
Environmental Education Day

*Water and its Role in our Lives*

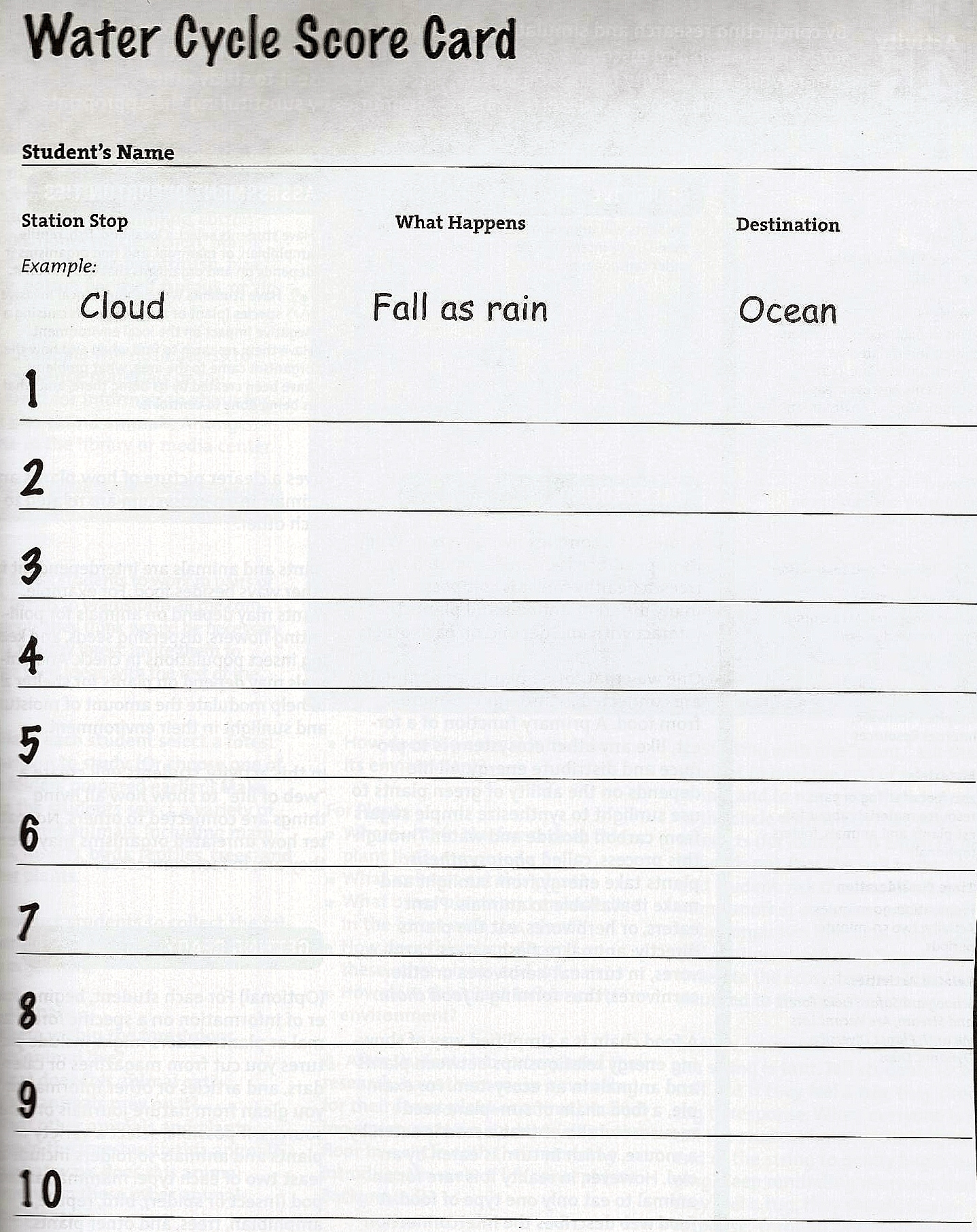


**Field Journal**

Read the definitions below, then label the water cycle diagram.

[](http://www.enchantedlearning.com/label/)

|  |
| --- |
| **Accumulation** - the process in which water pools in large bodies (like oceans, seas and lakes). **Condensation** - the process in which water vapor (a gas) in the air turns into liquid water. Condensing water forms clouds in the sky. Water drops that form on the outside of a glass of icy water are condensed water. (This term appears twice in the diagram.) **Evaporation** - the process in which liquid water becomes water vapor (a gas). Water vaporizes from the surfaces of oceans and lakes, from the surface of the land, and from melts in snow fields. **Precipitation** - the process in which water (in the form of rain, snow, sleet, or hail) falls from clouds in the sky. **Subsurface Runoff** - rain, snow melt, or other water that flows in underground streams, drains, or sewers. **Surface Runoff** - rain, snow melt, or other water that flows in surface streams, rivers, or canals. **Transpiration** - the process in which some water within plants evaporates into the atmosphere. Water is first absorbed by the plant's roots, then later exits by evaporating through pores in the plant. |



Draw a picture of your water molecule’s journey through the water cycle. Use your score card on the previous page to help as you draw.

What is one way that a human was involved in your water cycle?

Total Amount of Water Available on Earth



**Water Source Water Volume Percent of Total Water**

Oceans 317,000,000 97.24%

Icecaps, Glaciers 7,000,000 2.14%

Groundwater 2,000,000 0.61%

Fresh-water Lakes 30,000 0.009%

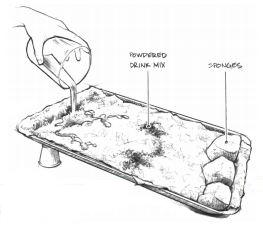
Inland Seas 25,000 0.008%

Soil Moisture 16,000 0.005%

Atmosphere 3,100 0.001%

Rivers 300 0.0001%

Making a Model Watershed



|  |  |  |
| --- | --- | --- |
| Observations | With Wetlands | Without Wetlands |
| What Happened in the Watershed? |  |  |
| Where does most of the water end up? |  |  |
| Path of the Water (write or draw) |  |  |
| Effect to the rate of flow of water (faster? slower?) |  |  |
| Predict the effect flow rate might have on land around wetlands. |  |  |
| Are pollutants getting into the watershed or are they absorbed? |  |  |